



Service Manual

Dishwasher

ADP 431 WT

Model	ADP 431 WT
Version	8542 431 10000
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"PROGRAM 94"
Standardrange (WP)

		Free-standing	Built-in models
1.	Dimension		
Height	85 cm	82 cm	
Width	59,4 cm	59,4 cm	
Depth	60 cm	56,8 cm	
Weight	53 kg	52 kg	
Wrapping	Shrink film		
2.	Specification / PI-Expression		
Water consumption	25,0	l	
Energy consumption	1,8	kWh	
Program step	app. 89	min	
Noise level build-in models:			
Standardrange	56	dB (A)	
Free-standing models: app. 2 dB (A) louder			
Detergent	25-75	ml	
Separate contained	I = 1/3	II = 2/3	
Salt consumption by	chamber	max. 30	gram
Water connection	21° dh	25	°C
Capacity		12	stand. place settings
3.	Volume		
Water			
Basic level	5,7	l	
Working level	5,7	l	
Safety level	9,0	l	
Overflow-level	12,5	l	
Detergent	max. 75	gram	
Clear rinse	130	cm³	
6 Dossier steps	1-6	cm³	
Salt container	2	kg	
4.	Flow Rates / Inlet Volumes		
Spray pump	70	l / min	
Drain pump	16,5	l / min	
Water inlet	electrovalve	5,5	l
5.	Water Pressure		
Inlet pressure	1-10	bar	
Spray pump pressure	0,37	bar	
6.	Rotations		
SP - Motor	2800	r/min	
DP - Motor	2800	r/min	
Spray arm lower	57 ± 7	r/min	
Spray arm upper	34 ± 6	r/min	

7. Electrical Data

Base level

Voltage	220/230/50	V/V/Hz
Total power	app. 3	kW
Fuses	10/16	A
Water connection up to	25	°C

Timer

Model	EC 4326
Basic step times	15", 45", 60" 120", 270"

Heating

1 Element system:	220 V	2800/1800 W	app. 16,0 Ohm
	230 V	3060 W	app. 17,0 Ohm
2 Element system: (CH + DK)			
Element A	220 V	1850 W	app. 25,3 Ohm
Element B	220 V	950 W	app. 49,5 Ohm

Motor

SP - Motor	220 V/130 W	HI=121 Ohm	HA=30 Ohm
Capacitor	3 µF		
DP Motor	220/240 V	30 W	170 Ohm
Timer motor	220/240 V		5640 + 400 Ohm

Valve

Inlet valve			
Double valve	220/240 V	6 W	3620 Ohm
Regeneration valve	220/240 V	8 W	2300 Ohm

Relay

Relay	220/240 V	50/60 Hz	5500 Ohm
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Thermostats

	Indication colour		
Thermostat	without	40 °C	SP 40 ± 3 °C RSP 29 ± 5 °C
Thermostat	red	55 °C	SP 55 ± 3 °C RSP 40 ± 5 °C
Thermostat	white	65 °C	SP 68 ± 3 °C RSP 57 ± 5 °C
Housing colour	brown		
Reset			
Safety thermostat	with manual reset		SP 180 ± 7 °C

8. Water Levels

Basic level	SP	137 ± 5	RSP 40 ± 5 mm ws
Working level	SP	137 ± 5	RSP 40 ± 5 mm ws
Safety level	SP	150 ± 5	RSP 100 ± 5 mm ws

9. Water Measuring

Basic level	125 mm
Working level	125 mm
Safety level	136 mm

10. Regenerating Steps and Volumes

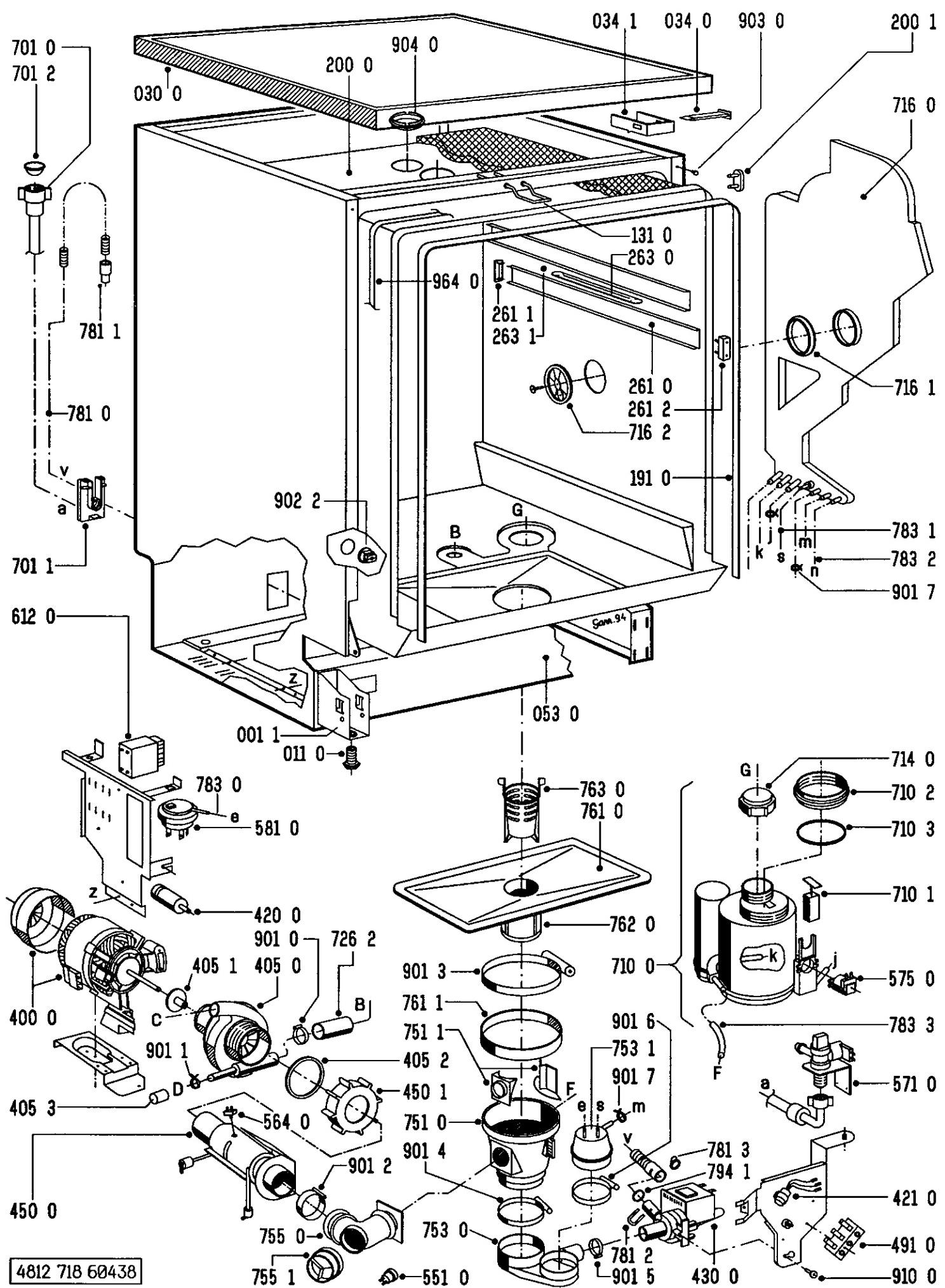
Figure	Volume	Steps	Water hardness
Figure	360 cm³	24	< 30° dh = < 5,0 mmol / l

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Pos. No.	12 NC Code	Description	from	to
001 1	4812 404 48578	Bracket foot		
011 0	4812 505 18006	Foot short, adjustable		
030 0	4812 310 18279	Table top cpl. WH		
034 0	4812 404 78087	Pin		
034 1	4812 404 78088	Fastener		
053 0	4812 440 88023	Plinth sheet		
131 0	4819 401 18428	Hook lock		
191 0	4812 466 68408	Gasket door		
200 0	4812 418 18042	Container insulated		
200 1	4819 535 78066	Fastener Container		
261 0	4819 462 38271	Rail telescope, inner		
261 1	4819 404 48819	Cap f.rail		
261 2	4819 404 49951	Cap f.rail ahead		
263 0	4819 520 18013	Ball cage cpl.		
263 1	4812 520 48001	Ball Niro 8 D		
400 0	4812 361 58007	Motor with spray pump cpl.		
405 0	4812 360 18014	Pump spray		
405 1	4819 515 28158	Gasket		
405 2	4819 466 69401	Gasket		
405 3	4819 440 19139	Cap		
420 0	4819 121 18102	Capacitor		
421 0	4819 121 18063	Interf.filter		
430 0	4812 360 18022	Pump,draining cpl.		
450 0	4812 259 28072	Heating element set		
450 1	4819 532 68332	Nut		
491 0	4819 401 18269	Terminal block 3 poles		
551 0	4819 282 48198	Thermostat 65 degree		
564 0	4819 282 48099	Thermostat safety		
571 0	4812 281 28059	Valve,magnet inlet		
575 0	4819 281 28184	Regen.valve		
581 0	4812 271 28188	Pressostat		
612 0	4812 280 58006	Relay heating		
701 0	4819 530 28283	Hose, inlet 2m		
701 1	4812 310 18153	Yoke clamp set		
701 2	4822 480 50159	Sieve inlet		
710 0	4812 418 68108	Monoblock		
710 1	4819 360 58381	Floater		
710 2	4819 310 38536	Nut threaded ring set		
710 3	4819 466 69562	Gasket set		
714 0	4819 462 78885	Threaded cap cpl. salt		
716 0	4812 418 68115	Reg dosage set		
716 1	4819 466 69037	Ring,rubber		
716 2	4819 462 78504	Can plug		
726 2	4819 530 28538	Hose bow		
751 0	4812 418 18043	Water collector		
751 1	4819 515 28157	Tube,stabilizer cpl.		
753 0	4812 530 28095	Suction pipe set		
753 1	4812 530 28736	Chamber,air		
755 0	4812 530 28094	Bend		
755 1	4819 404 49567	Holder thermostat		
761 0	4812 480 58048	Sieve fine		
761 1	4819 532 68331	Gasket		
762 0	4819 480 58084	Microfilter		
763 0	4812 480 58049	Sieve coarse		
781 0	4819 530 28534	Hose,draining		

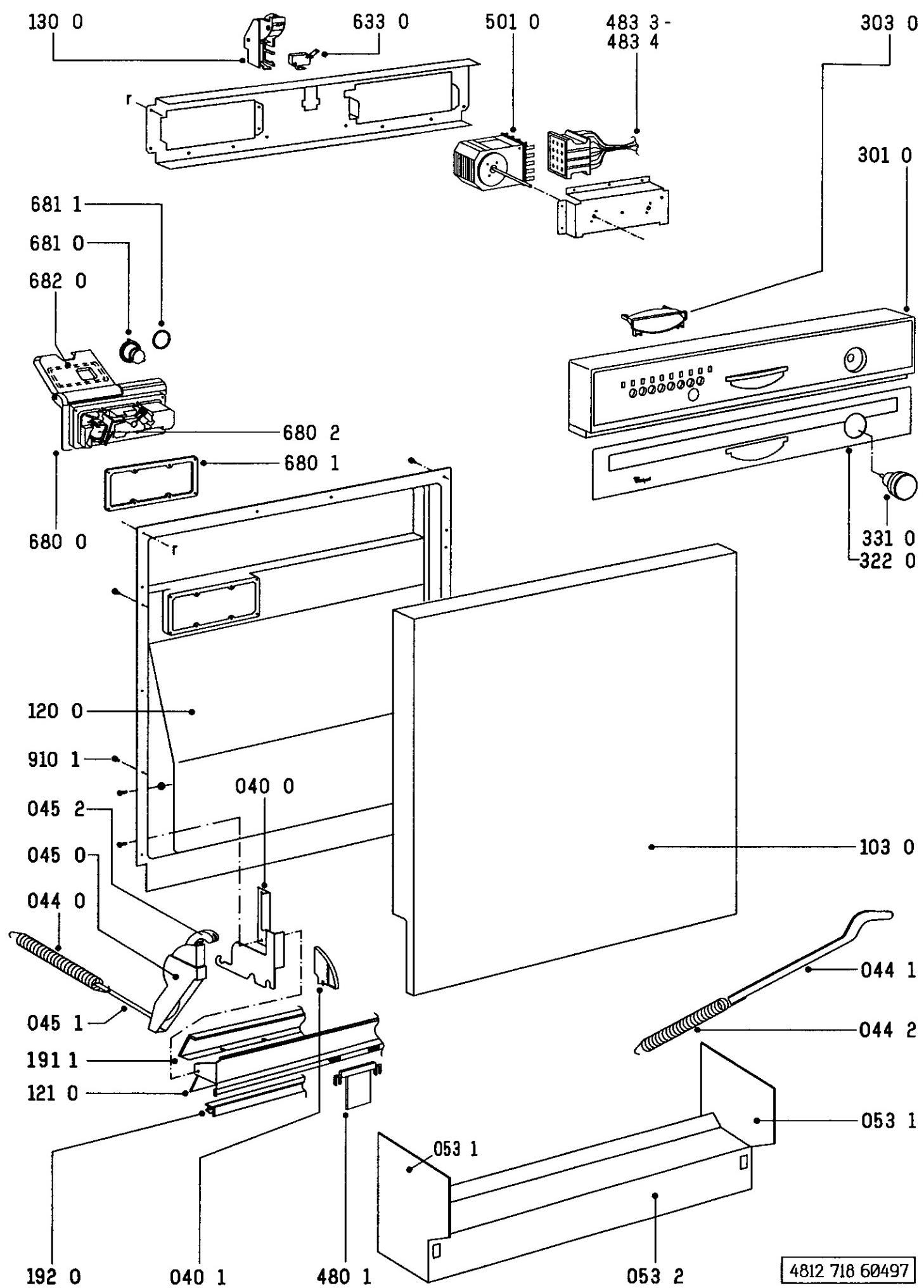
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Pos. No.	12 NC Code	Description	from	to
781 1	4819 530 28286	Sleeve hose		
781 2	4819 492 68405	Clip f.non-return valve		
781 3	4812 360 58095	Flap f.non-return valve		
783 0	4812 530 28097	Hose		
783 1	4812 530 28738	Hose		
783 2	4812 530 28093	Hose		
783 3	4812 530 28018	Hose		
794 1	4819 530 58032	Gasket 20x2,5		
901 0	4812 401 18075	Strap 20-32/9		
901 1	4812 401 18083	Strap 12-20/9		
901 2	4812 401 18076	Strap 32-50/9		
901 3	4819 401 18368	Strap 130-150		
901 4	4812 401 18031	Strap 82mm		
901 5	4812 401 18084	Strap 42mm		
901 6	4812 401 18085	Strap 69mm		
901 7	4812 401 18024	Strap YDNAC 10081		
902 2	4812 290 48007	Strain relief		
903 0	4819 466 68905	Arret door		
904 0	4812 462 78244	Lid		
910 0	4812 502 18018	Screw BN 36971.31		
964 0	4812 460 58096	Tape,sealing		



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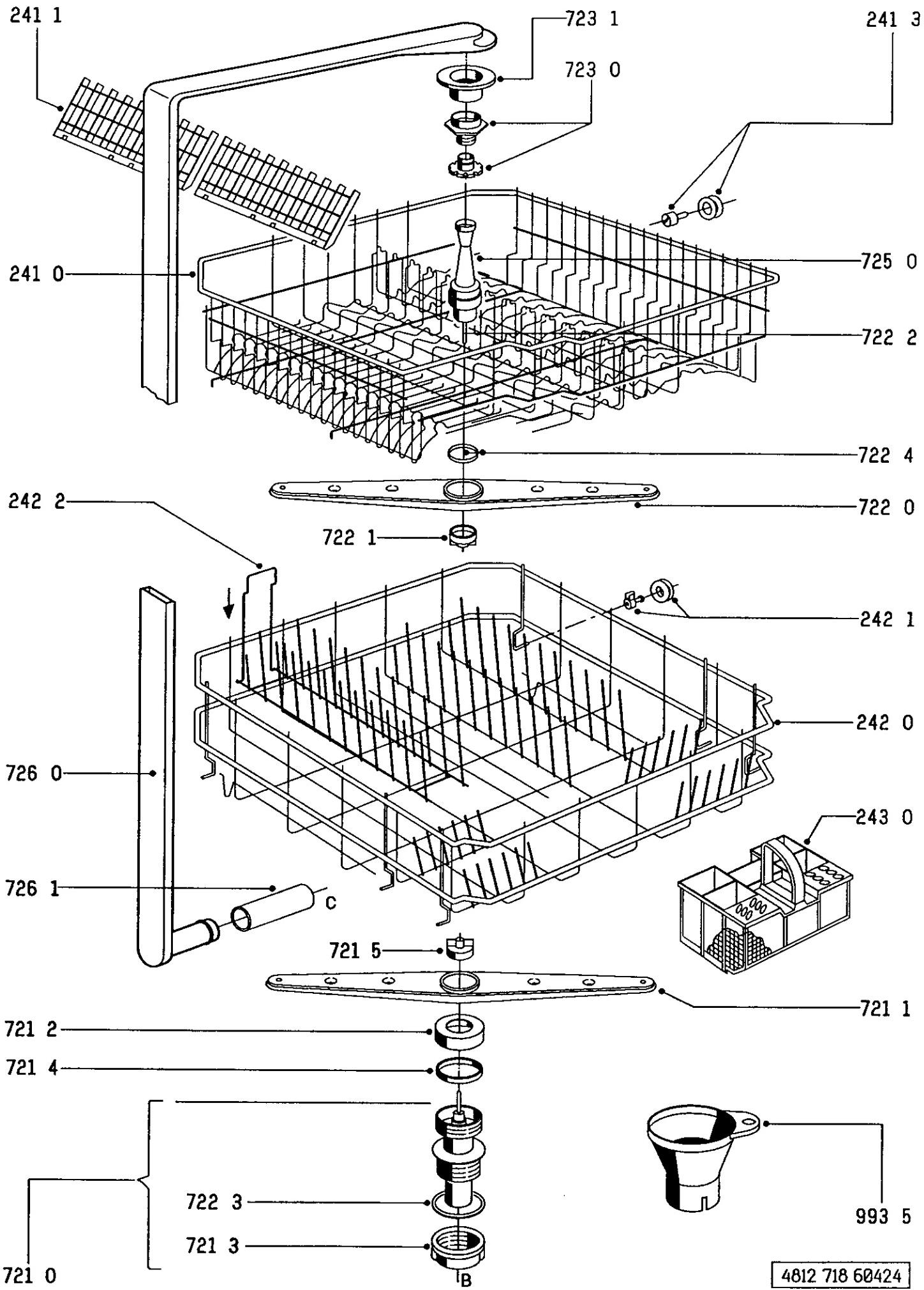
Pos. No.	12 NC Code	Description	from	to
040 0	4812 417 18309	Hinge set		
040 1	4812 417 18311	Cover,hinge set		
044 0	4812 492 38011	Spring f. door left		
044 1	4812 492 38012	Extension f. spring		
044 2	4812 492 38046	Spring f.door right		
045 0	4812 404 48114	Brake f. door		
045 1	4812 401 18079	Band,brake		
045 2	4812 401 18081	Hoop connection		
053 1	4812 440 18597	Pedestal cover n+le WH		
053 2	4812 440 18584	Plinth middle part WH		
103 0	4812 440 18179	Door outer WH		
120 0	4812 440 18569	Door,inner		
121 0	4812 404 48577	Batten cpl.		
130 0	4812 417 58019	Tilt lock		
191 1	4812 466 68164	Gasket,door inner		
192 0	4812 466 68163	Gasket,door lower		
301 0	4812 453 78377	Control panel WH		
303 0	4812 460 58019	Grip WH		
322 0	4812 453 78999	Insert panel WH		
331 0	4812 453 58764	Knob program WH		
480 0	4812 321 28015	Cable harness wiring "A" n.sh.		
480 1	4819 466 98512	Cover of cable		
480 2	4819 310 38589	Cable kit repair n.sh.		
480 3	4812 290 48003	Cable separator n.sh.		
483 3	4812 263 78004	Cable set heating relay 2poles		
483 4	4812 267 48001	Cable set timer 6poles		
501 0	4812 282 18242	Timer EC 4326.01 B		
633 0	4812 271 38013	Microswitch door		
680 0	4812 418 68119	Combidosage		
680 1	4819 466 69393	Gasket set		
680 2	4819 281 68021	Coil set		
681 0	4812 462 78311	Threaded cap		
681 1	4812 466 68444	Gasket cover set		
682 0	4812 466 68445	Gasket cover set		
910 1	4812 502 18019	Screw		



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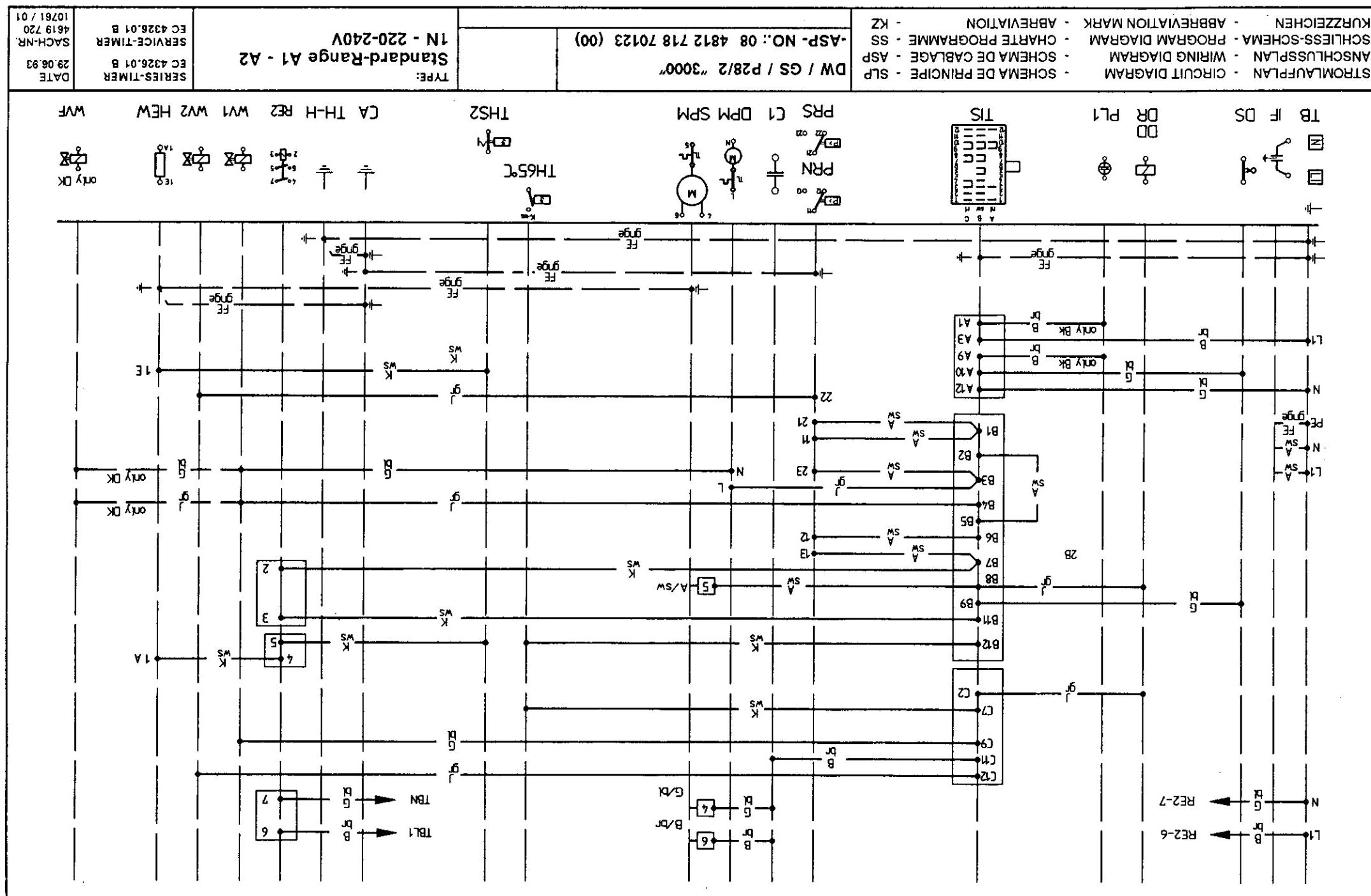
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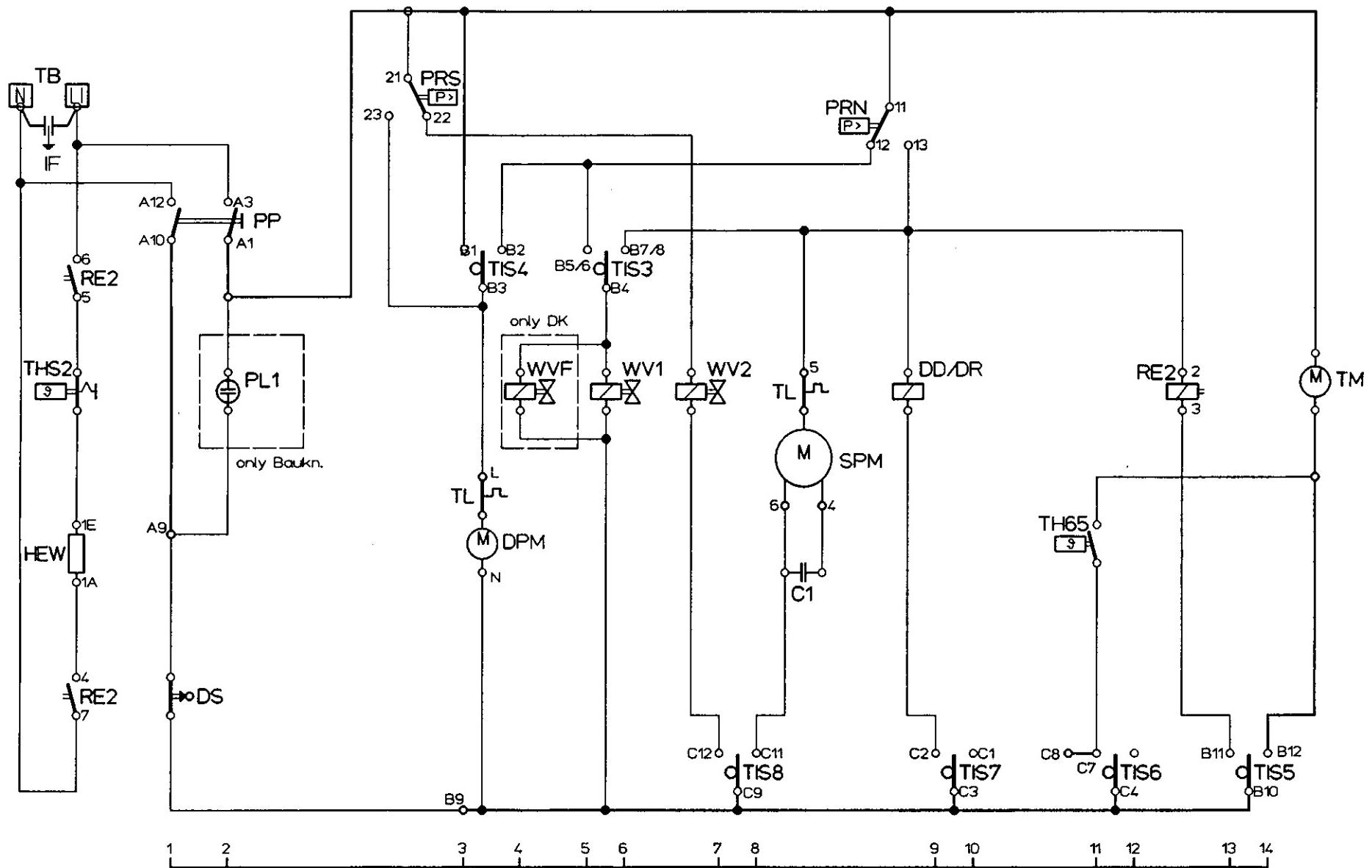
Pos. No.	12 NC Code	Description	from	to
241 0	4812 458 18241	Basket upper cpl.		
241 1	4819 404 49949	Holder cup		
241 3	4819 528 88067	Wheel,basket upper		
242 0	4812 458 18242	Basket lower cpl.		
242 1	4819 528 88066	Wheel,basket lower		
242 2	4812 458 18239	Holder plate		
243 0	4812 458 18165	Basket cutlery		
721 0	4812 360 68039	Hub lower cpl.		
721 1	4812 360 68007	Arm,spray lower		
721 2	4819 505 18189	Nut,coupling		
721 3	4819 505 18187	Nut,coupling		
721 4	4819 466 69398	Gasket lower		
721 5	4812 502 18021	Nut rotor lower		
722 0	4819 360 69214	Arm,spray upper		
722 1	4822 505 10538	Nut		
722 2	4819 535 78124	Bearing rotor hub		
722 3	4819 466 69396	Gasket		
722 4	4819 466 69399	Gasket upper		
723 0	4812 360 68038	Set of nozzles		
723 1	4819 466 68908	Nipple gasket		
725 0	4819 532 88036	Funnel		
726 0	4812 530 28746	Tube		
726 1	4819 530 28539	Hose connecting		
993 5	4822 532 80216	Funnel salt		



4812 718 60424

Code	Kurzzzeichenerklärung	Explanation of abbreviations	EXPLICATION DES ABREVIATIONS	Code	Kurzzzeichenerklärung	Explanation of abbreviations	EXPLICATION DES ABREVIATIONS
C	Kondensator	capacitor	CONDENSATEUR	VM	Gebläse für Trocknung	motor fan for ventilation-drying	VENTILATEUR DE SECHAGE
CA	Haupterdungspunkt	main earthing point	BORNE PRINCIPALE MISE A LA TERRE	WS+LS6	Schwimmerschalter	float switch	INTERRUPEUR DE FLOTTEUR
CD	Anzeigemodul	control display	AFFICHAGE	WV	Zulaufventil	inlet valve	VANNE D'ENTREE D'EAU
DD	Dosierung Reiniger	cleaning agent dosage	DOSAGE LAVAGE	WV2	Regenerieriventil	regenerating valve	VANNE DE REGENERATION
DPM	Laugenpumpe	drain pump	POMPE DE VIDANGE	WVS	Sicherheitsventil	safety valve	VANNE DE SECURITE
DR	Dosierung Klarspüler	final rinsing dosage	DOSAGE DE RINCAGE FINAL				
DS	Türschalter	door switch	INTERRUPEUR DE PORTE				
EM	Elektromagnet Überfahren	bypassing electromagnet	ELECTRO-AIMANT				
GLP1	Betriebsleuchte	pilot lamp	LAMPE-TEMOIN				
GLP2	Salzanzigeleuchte	lamp of salt indication	LAMPE D'INDICATION DE SEL	PS (1-7)	Taste Start/Überhub	push-button start/overstroke	TOUCHE DEMARRAGE
HEW	Heizung	heating	ELEMENT CHAUFFANT	PS (1)	Taste Vorspülen	push-button pre-rinsing	TOUCHE PRE-RINCAGE
I3	Steckkupplung	plug connector	CONNECTEUR	PS (2)	Taste Intensiv	push-button intensive	TOUCHE INTENSIVE
IC	Entstörkondensator	interference capacitor	CONDENSATEUR D'ANTIPARASITAGE	PS (3)	Taste Normal-Programm 65° C	push-button normal progr. 65° C	TOUCHE PROGRAMME NORMAL 65° C
IF	Funkentstörfilter	filter of interference suppression	FILTRE D'ANTIPARASITAGE	PS (4)	Taste Normal-Programm 55° C	push-button normal progr. 55° C	TOUCHE PROGRAMME NORMAL 55° C
IFD	Entstörglied (RC)	interference unit	ELEMENT D'ANTIPARASITAGE	PS (5)	Taste Sparprogramm	push-button economy program	TOUCHE PROGRAMME ECONOMIQUE
IS	Zusatzdrossel	additional choke coil	SELF (BOBINE)	PS (6)	Taste Rapidprogramm	push-button rapid program	TOUCHE PROGRAMME RAPIDE
LS6	Schwimmerschalter	float switch	INTERRUPEUR DE FLOTTEUR	PS (7)	Taste Fein/Glasprogramm	push-button fine/glass program	TOUCHE PROGRAMME VERRES
LU	Logikmodul	logic unit	MODULE LOGIQUE				
MS	Hauptschalter	main switch	INTERRUPEUR PRINCIPAL				
NTC	Temperatursensor	temperature sensor	SONDE TEMPERATURE				
PL1	Betriebsleuchte	pilot lamp	LAMPE-TEMOIN				
PL15	Salzleuchte	pilot lamp for salt refill	VOYANT NIVEAU DE SEL				
PL22	Klarspülleuchte	pilot lamp for rinse aid refill	VOYANT PRODUIT DE RINCAGE				
PP	Hauptschalter im Timer	main switch in timer	INTERRUPEUR PROGRAMMATEUR	A	schwarz	black	NOIR
PRL	Basis-Niveauschalter	base level switch	PRESSOSTAT DE BASE	B	braun	brown	BRUN
PRN	Arbeits-Niveauschalter	working level switch	PRESSOSTAT DE TRAVAIL	C	rot	red	ROUGE
PRP	Hochdruck-Niveauschalter	high pressure level switch	PRESSOSTAT HAUTE-PRESSION	D	orange	orange	ORANGE
PRS	Sicherheits-Niveauschalter	safety level switch	PRESSOSTAT DE SECURITE	E	gelb	yellow	JAUNE
PS	Programmtaste	program push-button	TOUCHE DE PROGRAMME	F	grün	green	VERT
PS	Eingabemodul	program selector	SELECTEUR DU PROGRAMME	G	blau	blue	BLEU
PS2	Rapidtaste	rapid push-button	TOUCHE RAPIDE	H	violett	violet	VIOLET
PS3	55 Grad Taste	push-button 55 degrees	TOUCHE 55 DEGRES	J	grau	grey	GRIS
PS4	Intensivtaste	push-button intensive	TOUCHE INTENSIVE	K	weiß	white	BLANC
RE	Relais	relay	RELAI	NA	rosa	pink	ROSE
RE2	Heizungsrelais	heating relay	RELAI DE CHAUFFAGE	AA	transparent	transparent	TRANSPARENT
RR	Reedkontakt	reed contact	CONTACT REED	FE	grün-gelb	green-yellow	VERT-JAUNE
TB	Verteilerleiste	distribution trim	BARRETTE DE CONNEXION				
TB1	Steckkupplung	plug coupler	CONNECTEUR				
TBL	Netzklemmleiste	power supply terminal	BORNIER SECTEUR				
TDS	Zeitschaltuhr	delay timer	MINUTERIE				
TH/H	Thermostat-Erdungspunkt	thermostat earthing point	BORNE DE TERRE THERMOSTAT				
TH40	Thermostat 40° C	thermostat 40° C	THERMOSTAT 40° C				
TH55	Thermostat 55° C	thermostat 55° C	THERMOSTAT 55° C				
TH65	Thermostat 65° C	thermostat 65° C	THERMOSTAT 65° C				
THS1	Sicherheitsthermostat	safety thermostat	THERMOSTAT DE SECURITE				
THS2	Sicherheitsthermostat	safety thermostat	THERMOSTAT DE SECURITE				
TIS	Timerkontakt	timer contact	CONTACT DE PROGRAMMATEUR				
TL	Wicklungsschutzkontakt	winding protective contact	CONTACT DE PROTECTION D'ENROULEMENT				
TM	Timer Motor	timer motor	MOTEUR DE PROGRAMMATEUR				
TR	Transformator	transformer	TRANSFORMATEUR				
VDR	Widerstand	resistor	RESISTANCE				





STROMLAUFLAN	- CIRCUIT DIAGRAM	- SCHEMA DE PRINCIPE	- SLP	DW / GS / P28/2 "3000"		TYPE: Standard-Range A1 - A2 1N - 220-240V	SERIES-TIMER EC 4326.01 B	DATE 29.06.93
ANSCHLUSSPLAN	- WIRING DIAGRAM	- SCHEMA DE CABLAGE	- ASP					
SCHLIESS-SCHEMA	- PROGRAM DIAGRAM	- CHARTE PROGRAMME	- SS	-SLP- NO.: 08 4812 718 70124 (00)				
KURZZEICHEN	- ABBREVIATION MARK	- ABREVIATION	- KZ				SERVICE-TIMER EC 4326.01 B	SACH-NR. 4619 720 10721 / 01

